

CLAIMS

1. A method for producing a polarizing film comprising the step of dipping a polyvinyl alcohol film in/on which iodine is adsorbed and oriented in an aqueous solution containing boric acid wherein the aqueous solution has an absorbance of 0.13 or less at a wavelength of 450 nm.

2. The method according to claim 1, wherein said aqueous solution containing boric acid is recycled while maintaining the absorbance of the aqueous solution at a wavelength of 450 nm in a range of 0.13 or less.

3. The method according to claim 1, wherein the absorbance of said aqueous solution containing boric acid at a wavelength of 450 nm is maintained in a range of 0.13 or less by continuously or intermittently treating said aqueous solution with activated carbon.

4. The method according to claim 1, wherein a weight ratio of water:boric acid:potassium iodide in said aqueous solution containing boric acid is usually 100:(2-15):(2-20).

5. The method according to claim 1, wherein a temperature of said aqueous solution containing boric acid is from 55°C to 85°C, and a dipping time is from 90 seconds to 1,200 seconds.

6. The method according to claim 1, wherein said polyvinyl alcohol has a polymerization degree of 1,500 to 5,000.

7. The method according to claim 1, wherein said polyvinyl alcohol film in/on which iodine is adsorbed and oriented is a film produced by uniaxially stretching an unstretched polyvinyl alcohol film in water and then dipping it in a solution containing iodine and potassium iodide, a film produced by dipping an

unstretched polyvinyl alcohol film in a solution containing iodine and potassium iodide and then uniaxially stretching it, a film produced by uniaxially stretching an unstretched polyvinyl alcohol film in a solution containing iodine and potassium iodide, 5 a film produced by uniaxially stretching an unstretched polyvinyl alcohol film in a plurality of dipping steps, or a film produced by uniaxially stretching an unstretched polyvinyl alcohol film in a dry state and then dipping it in a solution containing iodine and potassium iodide.